



LEONARD BLOOM & ASSOCIATES, LLC
401 Washington Avenue, Suite 905
Towson, Maryland 21204

DOCKET NO. 98618-PA

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled CELL-CULTURE AND POLYMER CONSTRUCTS, the specification of which

(check one) ☒ [X] is attached hereto,
☐ [] was filed on _____

as Application Serial No. _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

POWER OF ATTORNEY: As a named Inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in The Patent and Trademark Office connected therewith:

LEONARD BLOOM - Reg. No. 18,369
JAMES R. GAFFEY - Reg. No. 20,259

ROBERT M. GAMSON - Reg. No. 32,986
SAM ROSEN - Reg. No. 37,991

SEND CORRESPONDENCE TO: LEONARD BLOOM & ASSOCIATES, LLC, 401 Washington Avenue, Suite 905,
Towson, Maryland 21204 (410) 337-2295

201	FULL NAME OF INVENTOR	FAMILY NAME Hungerford	FIRST GIVEN NAME David	SECOND GIVEN NAME S.
	RESIDENCE & CITIZENSHIP	CITY Cockeysville	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 10715 Pot Spring Road, Cockeysville, Maryland 21030		
202	FULL NAME OF INVENTOR	FAMILY NAME Frondoza	FIRST GIVEN NAME Carmelita	SECOND GIVEN NAME G.
	RESIDENCE & CITIZENSHIP	CITY Woodstock	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 9707 Slalom Run Drive, Woodstock, Maryland 21163		
203	FULL NAME OF INVENTOR	FAMILY NAME Sohrabi	FIRST GIVEN NAME Afshin	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Columbia	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 9351 Westering Sun, Columbia Maryland 21045		
204	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
205	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		

I hereby declare that all statements made hereon of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

x *David D. Hungerford*
SIGNATURE OF INVENTOR 201
Hungerford

DATE 3/17/99

x *Carmelita G. Fiondoza*
SIGNATURE OF INVENTOR 202
Fiondoza

DATE 3/17/99

x *Alfred Sohrabi*
SIGNATURE OF INVENTOR 203
Sohrabi

DATE 3/17/99

SIGNATURE OF INVENTOR 204

DATE _____

SIGNATURE OF INVENTOR 205

DATE _____

SIGNATURE OF INVENTOR 206

DATE _____

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(check one) ☒ [X] is attached hereto,
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as Application Serial No. _____ and was amended on _____ (if applicable).

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SAM ROSEN - Reg. No. 37,991

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Towson, Maryland 21204 (410) 337-2295

201	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
204	FULL NAME OF INVENTOR	FAMILY NAME SHIKANI	FIRST GIVEN NAME Alan	SECOND GIVEN NAME H.
	RESIDENCE & CITIZENSHIP	CITY Ruxton	STATE OR FOREIGN COUNTRY Maryland	COUNTRY OF CITIZENSHIP U.S.A.
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 11 Johnson Mill Road, Ruxton, Maryland 21204		
205	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
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[illegible]

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	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
205	FULL NAME OF INVENTOR	FAMILY NAME Domb	FIRST GIVEN NAME Abraham	SECOND GIVEN NAME J.
	RESIDENCE & CITIZENSHIP	CITY Efrat	STATE OR FOREIGN COUNTRY ISRAEL	COUNTRY OF CITIZENSHIP ISRAEL
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 16 Migdal Eder Street, Efrat, ISRAEL		
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		

WORLDWIDE

DATE _____

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we,

David S. Hungerford
Carmelita G. Frondoza
Afshin Sohrabi

do hereby sell and assign to

THE JOHNS HOPKINS UNIVERSITY

a corporation organized and existing under the laws of the State of Maryland, U.S.A., having its principal place of business at 720 Rutland Avenue, Baltimore, Maryland 21205, (hereinafter referred to as "ASSIGNEE") its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the improvements in:

CELL-CULTURE AND POLYMER CONSTRUCTS

invented by me and the application for United States Patent therefor, Serial No. to be assigned, filed concurrently herewith, and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents, Utility Model Registrations and Inventor's Certificates in countries foreign to the United States, and in and to any Letters Patent, Utility Model Registration or Inventor's Certificate which may be granted thereon in such foreign countries, including all priority rights under the International Convention associated therewith for each country of the Union, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue the said Letters Patent, Utility Model Registration or Inventor's Certificate to the said "ASSIGNEE," its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and I covenant that I have full right to convey the entire interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith, and agree that I will communicate to said "ASSIGNEE," its successors, assigns, nominees or other legal representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said "ASSIGNEE," its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, I will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said "ASSIGNEE," its successors, assigns, nominees or other

legal representatives, either in its or their own name, to apply for, obtain and enforce patent, Utility Model and/or Inventor's Certificate protection for said improvements in all countries, all without further consideration but at the expense of said "ASSIGNEE," its successors, assigns, nominees, or other legal representatives.

Executed at Baltimore, Maryland this 19th
day of March, 1999.

X David S. Hungerford
DAVID S. HUNGERFORD

State of Maryland) SS:
County of Baltimore

Before me personally appeared said DAVID S. HUNGERFORD, who acknowledged the foregoing instrument to be his own free act and deed this 19th day of March, 1999.

Donna K. Guld
NOTARY PUBLIC

(SEAL)

My commission expires March 26, 1999

Executed at Baltimore, Maryland this 19th
day of March, 1999.

Carmelita D. Frondoza
CARMELITA G. FRONDOZA

State of Maryland)
County of Baltimore) SS:

Before me personally appeared said CARMELITA G. FRONDOZA, who acknowledged
the foregoing instrument to be his own free act and deed this 19th day of
March, 1999.

Donna K. Guld
NOTARY PUBLIC

(SEAL)

My commission expires March 26, 1999

Executed at Baltimore, MD this 19th
day of March, 1999.

Afshin Sohrabi
AFSHIN SOHRABI

State of Maryland) SS:
County of Baltimore)

Before me personally appeared said AFSHIN SOHRABI, who acknowledged the
foregoing instrument to be his own free act and deed this 19th day of
March, 1999.

Donna F. Guld
NOTARY PUBLIC

(SEAL)

My commission expires March 26, 1999

LB/mjr

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I,

Abraham J. Domb

do hereby sell and assign to

BioShield, LLC

a limited liability company organized and existing under the laws of the State of Maryland, U.S.A., having its principal place of business at 401 Washington Avenue, Suite 905, Towson, Maryland 21204, (hereinafter referred to as "ASSIGNEE") its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the improvements in:

CELL-CULTURE AND POLYMER CONSTRUCTS

invented by me and the application for United States Patent therefor, Serial No. to be assigned, filed concurrently herewith, and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents, Utility Model Registrations and Inventor's Certificates in countries foreign to the United States, and in and to any Letters Patent, Utility Model Registration or Inventor's Certificate which may be granted thereon in such foreign countries, including all priority rights under the International Convention associated therewith for each country of the Union, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue the said Letters Patent, Utility Model Registration or Inventor's Certificate to the said "ASSIGNEE," its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and I covenant that I have full right to convey the entire interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith, and agree that I will communicate to said "ASSIGNEE," its successors, assigns, nominees or other legal representatives all facts known to me respecting said invention, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said "ASSIGNEE," its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, I will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said "ASSIGNEE," its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce patent, Utility Model and/or Inventor's Certificate protection for said improvements in all countries, all

without further consideration but at the expense of said "ASSIGNEE," its successors, assigns, nominees, or other legal representatives.

Executed at Towson, Maryland this 24th
day of March, 1999.

Abraham J. Domb
ABRAHAM J. DOMB

State of Maryland)
) SS:
County of Baltimore)

Before me personally appeared said ABRAHAM J. DOMB, who acknowledged the foregoing instrument to be his own free act and deed this 24th day of March, 1999.

Suzanne M. Byles
NOTARY PUBLIC

(SEAL)

My commission expires October 1, 1999

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I,

Alan H. Shikani

do hereby sell and assign to

BioSHIELD, LLC

a limited liability company organized and existing under the laws of the State of Maryland, U.S.A., having its principal place of business at 401 Washington Avenue, Suite 905, Towson, Maryland 21204, (hereinafter referred to as "ASSIGNEE") its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the improvements in:

CELL-CULTURE AND POLYMER CONSTRUCTS

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Executed at Bowson, Maryland this 24th
day of March, 1999.

Alan H. Shikani
ALAN H. SHIKANI

State of Maryland)
) SS:
County of Baltimore

Before me personally appeared said ALAN H. SHIKANI, who acknowledged the foregoing instrument to be his own free act and deed this 24th day of March, 1999.

Caroline H. Bates
NOTARY PUBLIC

(SEAL)

My commission expires October 1, 1999